

## SPCB-DPR 2010 Structural Training **Pomona** - Branch 1 Demonstration Stations Outline

The following outline for **four** Branch 1 inspection demonstration sites is based on the DPR-SPCB committee's proposal for the April 2010 session. Each demo station's equipment needed, training goal(s) of the station, and major talking points are outlined. "Regulatory staff" segments at each station covered by DPR or experienced CAC staff; refer to Inspection Procedures Manual (IPM) for additional guidance.

**Assumptions:** The "technical" equipment needs to be provided by participating industry.

### **Branch 1 Traditional Demo Station #1 – Application Phase – Interior Prep**

Equipment/Supplies Needed to Include: Pic Pan, pic measuring device and possibly either a chloropicrin container or a photo to show how licensee would don the PPE and pour the pic into the measuring cup. 1 example of 5,000 cubic fan, with other end of "introduction"/shooting hose attached as it would look inside structure. What happens if shooting hose becomes detached from fan during the shoot. [Vikane or other fumigant calculator if possible]

DOW Vikane handout of how and what to bag for label compliance. 2 proper bags full of items, 2 "bad" bags (like generic clear plastic) with items inside. 1 bag of each type properly sealed, 1 bag each type improperly sealed so demonstrator can quiz the group regarding bagging compliance.

Examples of "kitchen" items to include canned/vacuum seal, a couple of jars both sealed and opened, cereal/pasta type in plastic or cardboard boxes, pet food, bottled beverage, fruit. "Bath" items include toothpaste, lotion, sealed vs. opened vitamins or pill meds, mouthwash, canker sore (internal) med tube, liquid soap, etc. One example of "blister pack" and other "gray area" items.

#### **Station #1 Demo goals & talking points:**

**Industry talking points:** Discuss what licensee looks for during walk-through of structure. Discuss/show how chloropicrin warning agent amount is determined and is measured into cup, and factors involved with determining the correct amount of sulfuryl fluoride & pic with "calculator". Placement of introduction fan and placement of pic pan(s) in single story vs. multi-story structure.

**Regulatory talking points:** Briefly discuss type of violations found during this phase regarding the **exterior** criteria items part of the application phase, since food bagging & paperwork, etc will be covered in different stations.

- failure to wear eye protection while applying fumigant
- tears in tarp that aren't patched
- warning signs missing or incorrectly filled out (over and under tarp)
- measurement problems - scale not calibrated, undershooting pic
- crack in shooting hose/leak
- poor tarp ground seal (insufficient number of snakes or snakes not overlapping, not dirt ramping around steps, etc)

- Discuss most common violations including where to look for less-than-obvious areas of residential where unbagged items may be discovered. Discuss demo of proper bags versus noncompliance bagging. Using handouts, briefly discuss which items never have to be bagged versus those that might if opened or those that always need bagging.

### **Branch 1 Demo Station #2 – Application Phase – Exterior Prep**

Equipment/Supplies Needed to Include: SCBA, T.R.A.P. items, including 1 example of 3,000 cubic fan and 1 example of 5,000 cubic fan, mock or actual tarped structure with at least 1 or 2 warning signs clipped, ladder to demo clipping the tubing, and/or enlarged photos of items that can't actually be demonstrated.

#### **Station #2 Demo goals & talking points:**

**Industry talking points:** Discuss how exterior obstacles such as multi-story, sharp roof corners, uneven areas, chimneys, large plants/trees, gas meter, close proximity fence, etc handled during wrapping the structure. Ramping, snake placement for good ground level seal, warning sign placement. Determination of whether there's a connecting structure/conduit if Prime didn't make a note on the paperwork about it, and sealing conduit techniques. Industry person demo on tarp seam how to twist and clip the tarps together for tight seal. Discuss how licensee "manages treated area" so no one exposed (including cats). How what types of door(s) at site determines what type of secondary lock(s) used.

**Regulatory talking points:** Briefly discuss the criteria items in light of the most common/serious violations found during application and/or partial inspections such as:

- Improper seal (ground seal problems, holes in tarp, etc.)
- Incomplete/inaccurate warning sign info
- Primary vs. secondary lock violations
- Gas meter violation

### **Branch 1 Demo Station #3 – SF Detection/Monitoring Devices & Secondary Locks**

Equipment/Supplies Needed to Include: "Mike Watkins" lock display showing the most common proper ways to secondary lock. Also photos of some "bad" (non-compliance) locking. 1 Interscan and 1 Spectros Explor-IR, fumiscope/monitoring devices.

#### **Station #3 Demo goals & talking points:**

**Industry talking points:** Briefly discuss how to turn on and read the testing/monitoring devices, how they should be held & used to be accurate, & manufacturer calibration requirements for each. "Limitations" comparison between the devices.

Lock display discussion of what types of doors best for which type of secondary locks, and why which types should NOT be used on a particular type of door.

**Regulatory talking points:** Discuss photos provided and other common violations regarding the locks. Discuss most common violations regarding SCBA & testing device per 12973, 6739, and 1971 requirements (IPM pages 142-143, 255). Discuss options on how to determine presence/absence of fumigant for “tarp checks” partial inspection.

**Branch 1 Demo Station #4 – Vehicle Inspection/SCBA Unit Inspection**

Equipment/Supplies Needed to Include: Branch 1 truck or equivalent setup of sulfuryl fluoride cylinder suspended with shooting hose attached, wrench used on valve, 6738(b)(c) PPE, mock “structure” tarped and clipped with at least 1 seam if “mock” application. 1 or 2 warning signs filled out and clipped to tarp. Vehicle also needs 2 SCBA units in cases, emergency unit air cylinder, at least 1 brand of sulfuryl fluoride cylinders with “bonnet on” secured on vehicle showing proper transport. Binder with labels, accident response plan etc required documents. 6734 decontamination items, rolled up tarps, clips, extra locks, fans, pic container, cup, SF measuring device. At least 2 clipboards with the required OFN paperwork and examples of filled out fume logs so that more than 1 inspector can look at them at a time.

**Station #4 Demo goals & talking points:**

**Industry talking points:** person(s) walks them around the vehicle showing how PPE, decontamination, fumigation, safety kit etc. items are normally transported/stored, including routine and emergency SCBA units, chloropicrin warning agent container. Demo mock shoot - how cylinder bonnet removed, wrench in hand with eye protection worn, and have someone wiggle the shooting hose to show how it looks while fumigant is applied to structure.

Briefly discuss the parts of the SCBA unit and how to maintain it, demo how to don it properly versus improperly, and demo ringing bell on tank if time permits.

**Regulatory talking points:** As time permits, briefly discuss requirements (and mention common violations) for the following special focus criteria items station:

- 6738(b)/12973 PPE – jewelry, wrong type eye protection, etc.
- 6630 vehicle markings required for fume trucks applying pesticides
- 6602, 6726, 6780/1971 (Label, Accident Response Plan & other binder items, plus medical care posting in cab – correct info for the area)
- Occupant’s Fume Notice & Fume Log (8538, 1970.4) filled out
- 6734 soap, single-use towels, coveralls (& water source - determination)
- 6670 - containers secured/attended
- 6676 - containers labeled
- 6682 & 1983 - proper transport of cylinders (don’t roll/store under tarp!)

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Traditional Aeration Phase Items not covered in demo stations? See bullets below:

- T.R.A.P. item problems (fan in false seam or underneath base of tarp, bad tubing placement, no SCBA, improper peeling or removal of tarps)
- if label says fans must each be 5,000 cfm capacity vs. “total” capacity
- 1970.5 “ventilation commenced” & 8505.2 & 8505.3 supervision violations by licensee during this phase, 2 trained employees, etc.
- crew members and/or licensee going in and out 1<sup>st</sup> hour w/o SCBA
- short-timing the first hour “active” vs. short-timing total aeration
- failure to properly re-secure structure at the end of the hour